

Figure 1:Southern analysis of genomic tomato DNA.

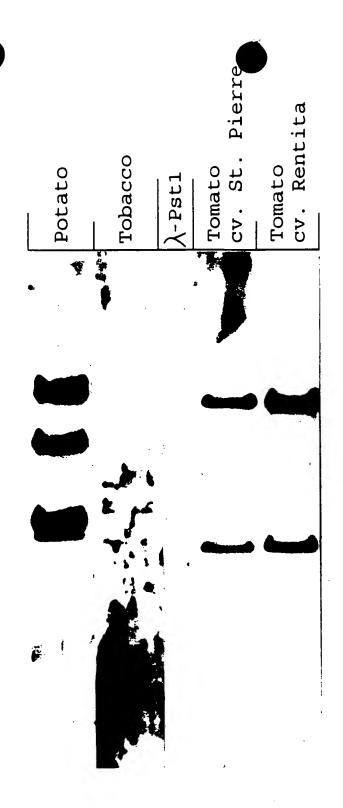


Figure 2: Southern analysis of different genomic DNAs.

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Rutgers	Rutgera	Basket	Basket

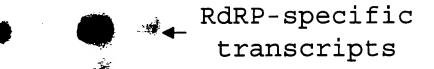


Figure 3: Northern analysis of total tomato RNA

Purification of the RdRP

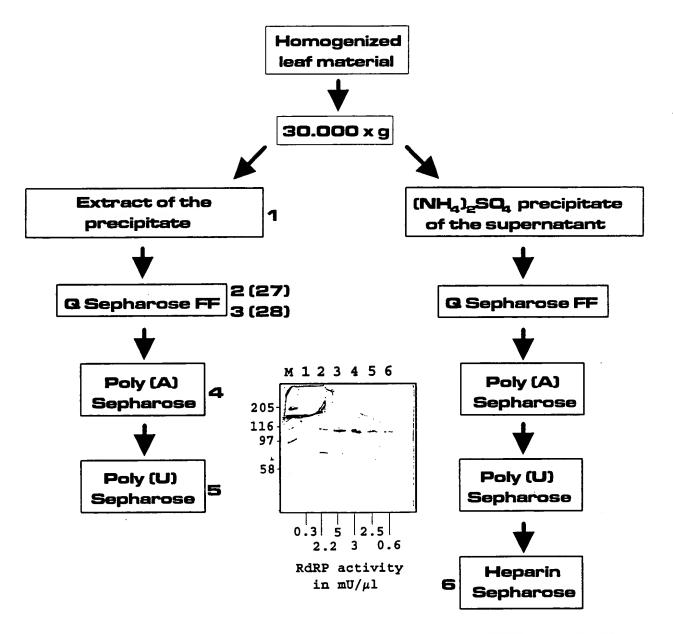
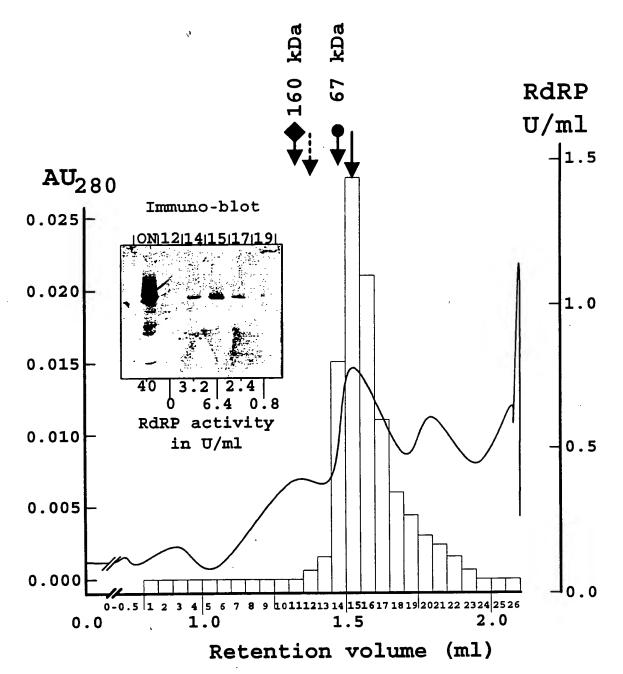


Figure 4: Immuno-detection of tomato RdRP protein with a RdRP cDNA-specific antibody

Gel filtration analysis of the RdRP (Sephadex G-200)



--> = Retention volume expected for RdRP

Figure 5: Immuno-detection of the tomato RdRP protein with a RdRP cDNA-specific antibody

Nucleic Acid AS-Sequence Sequence $= \frac{B}{S^{+}} \cdot \frac{Y}{S} \cdot \frac{P}{S} - \frac{D}{S} \cdot \frac{F}{S} - \frac{M}{S} - \frac{D}{S} \cdot \frac{K}{S} \cdot \frac{P}{S} - \frac{D}{S} \cdot \frac{K}{S} - \frac{D}{S} \cdot \frac{K}{S} = \frac{D}{S} \cdot \frac{K}{S} \cdot \frac{D}{S} \cdot \frac{D}{S}$ 3'-CTY ATR GGN CTR AAR TAC CTR TTY GGN CTR TTY-5' 130kDa-8

RdRP/8 H1: 5'-TAY CCN GAY TTY ATG GAY AA-3'

RdRP/8 R1: 5'-66 YTT RTC CAT RAA RTC NGG RTA-3'

PCR-Primers

Nucleic Acid AS-Sequence Sequence K A Q E A L E H S P G E N T N I L K

5'-AAR GCN CAR GAR GCN YTN GAR CAY WSN CCN GGN GAR AAY ACN AAN ATH YTN AAR-3' 3'-TTY CGN GTY CTY CGN RAN GAY GTR WSN GGN CCN CTY TTR TGN TTN TAD RAN TTY-5' 130kDa-15

RdRP/15_H1: 5'-aar gcn car gar gcn yth ga-3'

RdRP/15_R1: 5'-AT NTT NGT RTT YTC NCC NGG-3'

PCR-Primers

Figure 6: Design of RdRP-specific PCR Primers